

# SEQUENCE LISTING

<110> Robert G. Korneluk et al.

<120> METHODS AND COMPOUNDS FOR MODULATING  
MALE FERTILITY

<130> 07891/018002

<140> 09/239,867

<141> 1999-01-29

<150> 60/073,001

<151> 1998-01-29

<160> 10

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1559

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1559)

<223> n = A,T,C or G

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tcaaaaacgt	ttgctggctt	tgcaggtggt	gggcctgcct	gggcatcggc	gcgttggagg	180
agacgccctg	gggggcctta	gctgccctga	agcggtagac	aggtggcaac	gtgggggctc	240
aggagttagc	aaacacaaga	aagcagcgcc	gaattgcagg	tttatccgca	gcttttattt	300
tgaagacagt	gccacgaaac	ctgcaaatac	tgggtgtcca	aatagtcaat	accaagttga	360
aaaccatctg	ggagaggaaa	agcgttgtgc	tttagacagg	ccgtatgaga	ctcgtgcaga	420
ccggcttttg	agagctggac	aggtggtgga	tagatcagac	tccatacacc	cgaggagccc	480
cgccatgcat	agtgaagaag	ctagataaca	gtcgtttcac	aactggccag	cctctgcccc	540
cttgaccccg	agagagctgg	ccagtgtctg	gctgtactac	acaggcactg	atgaccaagt	600
gcagtgtctt	tggtgtggcg	gaaaactgaa	aaactgggaa	cctggtgatc	gtgcctgggtc	660
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acagtgtctt	cactgtggag	gagggctagc	caactggaag	ccaagggaag	atccttggga	960
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aacaccatca	ctaactaaaa	gaatcagtga	taccatcttc	cctaataccta	tgctacaaga	1140
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<210> 2  
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Gln	Glu	Asp	Lys	Val	Gln	Cys	Phe	His	Cys	Gly	Gly	Gly	Leu	Ala	Asn
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Trp	Lys	Pro	Lys	Glu	Asp	Pro	Trp	Glu	Gln	His	Ala	Lys	Trp	Tyr	Pro
	50					55					60				
Gly	Cys	Lys	Tyr	Leu	Leu	Glu	Glu	Lys	Gly	His	Glu	Tyr	Ile	Asn	Asn
65				70						75				80	
Ile	His	Leu	Thr	Arg	Ser	Leu	Glu	Gly	Ala	Leu	Val	Gln	Thr	Thr	Lys
			85						90					95	
Lys	Thr	Pro	Ser	Leu	Thr	Lys	Arg	Ile	Ser	Asp	Thr	Ile	Phe	Pro	Asn
		100						105					110		
Pro	Met	Leu	Gln	Glu	Ala	Ile	Arg	Met	Gly	Phe	Asp	Phe	Lys	Asp	Val
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Lys	Lys	Ile	Met	Glu	Glu	Arg	Ile	Gln	Thr	Ser	Gly	Ser	Asn	Tyr	Lys
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Thr	Glu	Asn	Glu	Leu	Asn	Gln	Thr	Ser	Leu	Gln	Arg	Glu	Ile	Ser	Pro
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Glu	Glu	Pro	Leu	Arg	Arg	Leu	Gln	Glu	Glu	Lys	Leu	Cys	Lys	Ile	Cys
		180						185					190		
Met	Asp	Arg	Tyr	Ile	Ala	Val	Val	Phe	Ile	Pro	Cys	Gly	His	Leu	Val
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Thr	Cys	Lys	Gln	Cys	Ala	Glu	Ala	Val	Asp	Arg	Cys	Pro	Met	Cys	Ser
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Ala	Val	Ile	Asp	Phe	Lys	Gln	Arg	Val	Phe	Met	Ser				
225					230					235					

<210> 3  
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 <213> Homo sapiens

<400> 3

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gcagggttttc tttatactgg tgaaggagat accgtgcggt gctttagttg tcatgcagct 240
gtagatagat ggcaatatgg agactcagca gttggaagac acaggaaagt atcccaaat 300
tgcagatttta tcaacggcctt ttatcttgaa aatagtgcc aagcagctctac aaattctggt 360
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gacaggccat ctgagacaca tgcagactat cttttgagaa ctgggcaggt tgtagatata 480
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tactacacag gtattggtga ccaagtgcag tgcttttgtt gtggtggaaa actgaaaaat 660
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gttttggggc ggaatcttaa tattcgaagt gaatctgatg ctgtgagttc tgataggaat 780
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<210> 4
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<212> PRT
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Glu Gly Asp Lys Val Lys Cys Phe His Cys Gly Gly Gly Leu Thr Asp
 35          40          45
Trp Lys Pro Ser Glu Asp Pro Trp Glu Gln His Ala Lys Trp Tyr Pro
 50          55          60
Gly Cys Lys Tyr Leu Leu Glu Gln Lys Gly Gln Glu Tyr Ile Asn Asn
 65          70          75          80
Ile His Leu Thr His Ser Leu Glu Glu Cys Leu Val Arg Thr Thr Glu
 85          90          95
Lys Thr Pro Ser Leu Thr Arg Arg Ile Asp Asp Thr Ile Phe Gln Asn
100          105          110
Pro Met Val Gln Glu Ala Ile Arg Met Gly Phe Ser Phe Lys Asp Ile
115          120          125
Lys Lys Ile Met Glu Glu Lys Ile Gln Ile Ser Gly Ser Asn Tyr Lys
130          135          140

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				165					170					175	
Glu	Glu	Gln	Leu	Arg	Arg	Leu	Gln	Glu	Glu	Lys	Leu	Cys	Lys	Ile	Cys
			180					185					190		
Met	Asp	Arg	Asn	Ile	Ala	Ile	Val	Phe	Val	Pro	Cys	Gly	His	Leu	Val
	195						200					205			
Thr	Cys	Lys	Gln	Cys	Ala	Glu	Ala	Val	Asp	Lys	Cys	Pro	Met	Cys	Tyr
	210					215					220				
Thr	Val	Ile	Thr	Phe	Lys	Gln	Lys	Ile	Phe	Met	Ser				
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caaagtgaag caagcacaaa aaagaacgag acacgggcgt ggggcacgag gtgctcactg	180
ngcaagcgcc cactccaccg cgtggtttcc agctggaggc tgggagcggt ngtgggttcc	240
tcttttcttg ctgacccttc ggagctcttg gaagtggctg caccttggcg gctccccaga	300
gcgcgcggtg ctaatcgtgg gtcgtcagcc tgggtggctg ggcccggctt agggcagggt	360
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<221> VARIANT  
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<221> VARIANT  
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 <223> Xaa = Any Amino Acid

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 20 25 30  
 Xaa Xaa Xaa Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 35 40 45  
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 50 55 60  
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 20 25 30  
 Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
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 20 25 30  
 Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa  
 35 40 45  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Xaa  
 50 55 60  
 Xaa Cys Xaa Xaa Xaa  
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 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Gly Xaa Xaa Xaa Xaa Xaa  
 20 25 30  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa  
 35 40 45  
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 50 55 60  
 Xaa Xaa Cys Xaa Xaa Xaa  
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1 5 10 15  
Xaa His Xaa Xaa Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys  
20 25 30  
Xaa Xaa Cys  
35